

Observations of Comet a 1890 (Brooks) made at the Royal Observatory, Greenwich.

(Communicated by the Astronomer Royal.)

The observations were made with the East or Sheepshanks Equatorial, aperture 6·7 inches, by taking transits over two cross-wires at right angles to each other, and each inclined 45° to the parallel of declination. Magnifying power 60.

Comet a 1890 (Brooks).

Greenwich Mean Solar Time, d h m s	Observer.	R.A.		Corr. for Retraction.		N.P.D.		Corr. for Refraction.		No. of Comp.		Apparent R.A. h m s	Apparent Parallax. " "	Log. factor of Parallax. " "	Apparent N.P.D. " "	Log. factor of Parallax. " "	Comp. Star.
		d	h	m	s	"	"	"	"	"	"	"					
Sept. 14	8 22 58	A.D.	+ 1	8·8	0·0	+ 5	54·0	+ 0·6	6	...	...	9·6246	o	...	0·8162	a	
	8 33 57	"	+ 5	43·7	0·0	+ 9	17·7	+ 1·4	3	13	0 53·9	9·6145	57 46 53·9	0·8251	b		
	8 33 57	"	+ 5	17·0	0·0	- 0	29·7	- 0·1	3	13	0 57·0	9·6145	57 46 49·4	0·8251	c		
15	8 3 30	L.	- 0	2·5	0·0	+ 2	30·4	+ 0·2	3	...	...	9·6298	...	0·8065	d		
	8 27 16	"	+ 1	1·6	0·0	+ 0	24·2	0·0	6	...	...	9·619·6	...	0·8229	e		
	8 48 2	"	+ 5	23·7	0·0	+ 11	15·7	+ 1·6	3	13	1 3·7	9·6055	57 58 36·7	0·8392	f		
	8 48 2	"	+ 4	52·3	0·0	- 3	4·3	- 0·6	3	...	...	9·6055	...	0·8392	g		

E

Assumed Mean Places of Comparison Stars.

Star's Name.	R.A. 1890 ^o .	N.P.D. 1890 ^o .	Authority.
	h m s	° ' "	
a B.D.+32°, No. 2317	12 59 40	57 41 "	Bonn Observations, vol. iv.
b W.B. (2) XII. 1066	12 55 10.43	57 37 37.5	Washington Catalogue, 1860.
c W.B. (2) XII. 1077	12 55 40.16	57 47 21.9	Weisse's Bessel (2).
d Anonymous			
e B.D.+32°, No. 2319	13 0 1	57 59	Bonn Observations, vol. iv.
f W.B. (2) XII. 1077	12 55 40.16	57 47 21.9	Weisse's Bessel (2).
g B.D.+32°, No. 2313	12 56 12	58 3	Bonn Observations, vol. iv.

Notes.

September 14.—Comet a faint patch of light with distinct stellar nucleus, but difficult to observe.

The observations are corrected for refraction, but not for parallax.

The initials A.D. and L. are those of Mr. Downing and Mr. Lewis respectively.

Nov. 1890. *Mr. Plummer, Observations of Comets.*

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Observations of Comets made at the Orwell Park Observatory in the years 1889-90. By J. I. Plummer, M.A.

Comet I. 1889 . . . (Barnard's, Sept. 2, 1888.)

Date.	Greenwich Mean Time.	Comet—Star. $\Delta\alpha$.	No. of Comps.	Comet's App. R.A. $(p \times \Delta)$.	Log. $(p \times \Delta)$.	Comet's App. Dec.	Log. $(p \times \Delta)$.	Red to App. Place.	Comp. Star.
Feb. 8	6 35 8	+ 1 8'43	' 2 41''8	5-6 23 42 48'72	9.5137	— 4 34 6''2	0.8523	- 1.64 - 10''8	1
June 3	13 23 25	- 1 6'12	+ 2 15'0	6-6 22 50 57'68	-9.5285	+ 2 40 22'6	0.8350	+ 0.28 - 1.0	2
19	11 46 28	+ 2 44'06	+ 3 47'0	8-8 22 17 12'84	-9.5286	+ 2 17 23'9	0.8361	+ 0.99 + 1.1	3
25	12 15 27	- 0 23'99	- 1 2'7	8-8 22 0 37'62	-9.4501	+ 1 52 59'8	0.8342	+ 1.23 + 3.9	4
26	11 44 16	- 3 17'86	- 5 56'6	8-8 21 57 43'78	-9.4840	+ 1 48 6'2	0.8354	+ 1.26 + 4.2	4
27	12 1 45	+ 2 49'43	- 2 8'4	8-8 21 54 41'14	-9.4500	+ 1 42 45.1	0.8348	+ 1.33 + 4.4	5
July 1	11 29 43	- 2 16'79	+ 4 1'2	7-7 21 42 9'50	-9.4556	+ 1 19 23'2	0.8366	+ 1.47 + 5.3	6
22	11 10 2	+ 2 14'71	+ 2 35'0	7-7 20 27 29'04	-9.0329	- 1 48 16.0	0.8514	+ 2.07 + 8.7	7

Remarks.

February 8.—Comet faint from moonlight. The wind being very high, the clock was heard with difficulty.

June 3.—The last comparison is rather doubtful, the comet having become faint with the dawn.

June 26.—The intermediate comparisons are rather doubtful, the sky hazy, and even cloudy, at this time.

July 22.—Observations discontinued after this day, the declination axis having become immovable. Resumed on August 29.

Comet V. 1888 . . . (Barnard's, Oct. 30, 1888.)

Mar. 25	8 54 46	+ 1 28'81	+ 9 14'8	7-7 9 20 58'60	-8.1555	+ 36 20 14'8	0.3733	+ 0.62 + 1.6	8
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Remarks.

March 25.—Comet very faint and difficult to observe, partly owing to the impossibility of excluding all artificial light from the eye.